

ABSTRACT OF THE DISCLOSURE

A NOVEL HUMAN PYROPHOSPHATASE

5 The present invention provides a human pyrophosphatase (HPYP) and
polynucleotides which identify and encode HPYP. The invention also provides genetically
engineered expression vectors and host cells comprising the nucleic acid sequences encoding
HPYP and a method for producing HPYP. The invention also provides for use of HPYP and
10 agonists, antibodies, or antagonists specifically binding HPYP, in the prevention and
treatment of cancer and inflammatory diseases. Additionally, the invention provides for the
use of antisense molecules to polynucleotides encoding HPYP for the treatment of diseases
associated with the expression of HPYP. The invention also provides diagnostic assays
15 which utilize the polynucleotide, or fragments or the complement thereof, and antibodies
specifically binding HPYP.